

0590
0308
#2

ENTERED

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/076,934

DATE: 03/04/2002
 TIME: 14:24:23

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF3\03042002\J076934.raw

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4 <110> APPLICANT: O'Hara Jr., Richard
5 Nagelin, Ann Marie
7 <120> TITLE OF INVENTION: AGENTS THAT SPECIFICALLY BLOCK
8 CD28-MEDIATED SIGNALING AND USES THEREFOR
11 <130> FILE REFERENCE: GNN-028
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/076,934
C--> 13 <141> CURRENT FILING DATE: 2002-02-19
13 <150> PRIOR APPLICATION NUMBER: 60/269,756
14 <151> PRIOR FILING DATE: 2001-02-16
16 <160> NUMBER OF SEQ ID NOS: 2
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 3803
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
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27 ttgagtgcct tgatcatgtg ccctaagggg atggggcgg tgggtgtgg cgtggatgac 120
28 ggagactctc aggcccttggc aggtgcgtct ttcaatccc ctcacacttc gggttcctcg 180
29 gggaggagggg gctgaaaccc tagccccatcg tcaggacaaa gatgctcagg ctgtcttgg 240
30 ctctcaactt attcccttca attcaagtaa cagaaaacaa gattttggg aagcagtcgc 300
31 ccatgcgttgc agcgtacgac aatgcgggtca accttagctg caagtattcc tacaatctct 360
32 tctcaaggga gttccgggca tcccttca aaggactgga tagtgcgtgt gaagtctgtg 420
33 ttgtatatgg gaattactcc cagcagctc aggttactc aaaaacgggg ttcaactgtg 480
34 atgggaaatt gggcaatgaa tcagtgcacat tctacccca gaatttgat gttaccacaa 540
35 cagatattta cttctgc当地 attgaagttt tgtatccctcc tcccttacacta gacaatgaga 600
36 agagcaatgg aaccatttccat catgtgaaag ggaaacaccc ttgtccaatg cccctatttc 660
37 ccggacccctc taagcccttt tgggtgtgg tgggtgtgg tggagtcctg gcttgcata 720
38 gcttgc当地 aacagtggcc ttatttttcttgc当地 gagtaagagg agcaggctcc 780
39 tgcacagtgaa ctacatgaac atgactcccc gcccggccgg gcccacccgc aacattacc 840
40 agccctatgc cccaccacgc gacttcgc当地 cctatgc当地 ctgacacccgc cgcctatcca 900
41 gaagccaggcc ggctggcaggcc cccatctc当地 tcaatatcac tgctctggat aggaatgac 960
42 cggccatctcc agccggccac ctcaggcccc tgggtggccca ccaatgccaa tttttctcga 1020
43 gtgactagac caaatatcaa gatcattttgc当地 agactctgaa atgaagttaa agagatttcc 1080
44 tggacaggc caagtcttac agtgc当地 ggc当地 cccacattcc aacttaccat gtacttagt 1140
45 acttgc当地 gaaggtaggg tagaaaaacaa aaaggaggatg gattctggat gcctcttccc 1200
46 ttctcaactc acctgc当地 ctc当地 tggatgtgg tatccacaga catttttagtt 1260
47 gcagaagaaa ggcttagggaa tcattccctt tggtaatgg ggttttaat cttttggta 1320
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50 cttagttaa gaaatacata gacattgtct ttatgttataa ctgatcatat ttagtcat 1500
51 tgaccaaatg agggatttgg tcaatgagg gattccctca aagcaatatac aggtaaacca 1560
52 agttgcttccactcactccct gtc当地 gagac ttcaatgttataa atgttcacaa tataacttcc 1620

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53 aaagaataaa atagttctcc tacatgaaga aagaatatgt cagggaaataa ggtcaactta 1680
 54 tgtcaaaattt atttgagtac tatgggact ggcgcagtgg ctcatgcttg taatcccagc 1740
 55 actttggag gccgagggtgg gcagatcaact tgagatcagg accagcctgg tcaagatgg 1800
 56 gaaactccgt ctgtactaaa aatacaaaaat tttagttggc ctgggtggcag gcacctgtaa 1860
 57 tccccagctgc ccaggagggt gaggcatgag aatcgcttga acctggcagg cggagggttc 1920
 58 agtgagccga gatagtgccca cagctctcca gcctggcga cagagtggaga ctccatctca 1980
 59 aacaacaaca acaacaacaa caacaacaac aaaccacaaa attattttag tactgtgaag 2040
 60 gattatttgt ctaacagttc attccaatca gaccaggtag gagctttctc gtttcatatg 2100
 61 tttcagggtt gcacagtgg tctcttaat gtcgggtgg agatccaaag tgggttgg 2160
 62 aaagagcgctc cataggagaa gtgagaatac tgtgaaaagg gatgttagca ttcattagag 2220
 63 tatgaggatg agtcccaaga aggttcttg gaaggaggac gaatagaatg gagtaatgaa 2280
 64 attcttgcca tgtgtgagg agatagccag cattaggtga caatcttcca gaagtggc 2340
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 66 gctccaaac tctggcgtca gctgctctg taccttggag gtccattcac atggaaaagt 2460
 67 attttgaat gtgtctttt aagagagcat cagagttctt aagggactgg gtaaggcctg 2520
 68 accctgaaat gaccatggat attttctac ctacagttt agtcaactag aatatgcctg 2580
 69 gggaccttga agaatgccct tcagtggccc tcaccatttgc ttcatgctc agttaattca 2640
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 71 tgaatgcct caggcaagtc actgcccacc taagatgatg gttcttcaac tataaatgga 2760
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 73 tgtcttgc tctgcctatc cctgacgtt agtagcatgc ccgacataca atgttagcta 2880
 74 ttggatttat tgccatata tag ataaattatg tataaaaattt aaactgggca atagcctaag 2940
 75 aaaaaaaaaaaaaaa tattgtaaaca caaattttaaa cccactacgc agggatgagg tgctataata 3000
 76 tgaggaccc ttaacttcca tcattttctt gtttcttggaa atagtttatac ttgtatgaa 3060
 77 atataaggca cctcccaactt ttatgtatag aaagagggtct ttaattttt ttttaatgtg 3120
 78 agaaggaagg gaggagtagg aatcttgaga ttccatatacg aaaatactgt actttggttg 3180
 79 attttaagt gggcttccat tccatggatt taatcagttcc caagaagatc aaactcagca 3240
 80 gtacttgggt gctgaagaac tgggtggattt accctggcact gtgtgccact tgccagctt 3300
 81 ctgggcaca cagagttctt caatccaagt tatcagattt tatttggaaa tgacagagct 3360
 82 ggagagttt ttgaaatggc agtggcaaat aaataaatac ttttttttaa atggaaagac 3420
 83 ttgatctatg gtaataaaatg attttggttt ctgactggaa aaataggcct actaaagatg 3480
 84 aatcacactt gagatgtttc ttactcaatc tgccacagaaa caaagaagaa atgttataca 3540
 85 gggaaatccg ttttcaat tagtatgaac caagaaatgg ttcaaaaaca gtggtaggag 3600
 86 caatgcttc atagtttcag atatggtagt tatgaagaaa acaatgtcat ttgctgttat 3660
 87 tattgttaaga gtcttataat taatggtagt cctataattt ttgattgtga gctcacctat 3720
 88 ttgggttaag catgccaatt taaagagacc aagtgtatgt acattatgtt ctacatattc 3780
 89 agtgataaaa ttactaaact act 3803
 91 <210> SEQ ID NO: 2
 92 <211> LENGTH: 219
 93 <212> TYPE: PRT
 94 <213> ORGANISM: Homo sapiens
 95 <400> SEQUENCE: 2
 96 Met Leu Arg Leu Leu Ala Leu Asn Leu Phe Pro Ser Ile Gln Val
 97 1 5 10 15
 98 Thr Gly Asn Lys Ile Leu Val Lys Gln Ser Pro Met Leu Val Ala Tyr
 99 20 25 30
 100 Asp Asn Ala Val Asn Leu Ser Cys Lys Tyr Ser Tyr Asn Leu Phe Ser
 101 35 40 45
 102 Arg Glu Phe Arg Ala Ser Leu His Lys Gly Leu Asp Ser Ala Val Glu
 103

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104	50	55	60
105	Val Cys Val Val Tyr Gly Asn Tyr Ser Gln Gln Leu Gln Val Tyr Ser		
106	65	70	75
107	Lys Thr Gly Phe Asn Cys Asp Gly Lys Leu Gly Asn Glu Ser Val Thr		80
108		85	90
109	Phe Tyr Leu Gln Asn Leu Tyr Val Asn Gln Thr Asp Ile Tyr Phe Cys		95
110		100	105
111	Lys Ile Glu Val Met Tyr Pro Pro Tyr Leu Asp Asn Glu Lys Ser		110
112		115	120
113	Asn Gly Thr Ile Ile His Val Lys Gly Lys His Leu Cys Pro Ser Pro		125
114		130	135
115	Leu Phe Pro Gly Pro Ser Lys Pro Phe Trp Val Leu Val Val Val Gly		140
116	145	150	155
117	Gly Val Leu Ala Cys Tyr Ser Leu Leu Val Thr Val Ala Phe Ile Ile		160
118		165	170
119	Phe Trp Val Arg Ser Lys Arg Ser Arg Leu Leu His Ser Asp Tyr Met		175
120		180	185
121	Asn Met Thr Pro Arg Arg Pro Gly Pro Thr Arg Lys His Tyr Gln Pro		190
122		195	200
123	Tyr Ala Pro Pro Arg Asp Phe Ala Tyr Arg Ser		205
124		210	215

VERIFICATION SUMMARY
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L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date